

Claims

1. O/W emulsifier containing

70 to 90 wt.% of glyceryl oleate citrate and

10 to 30 wt.% of a viscosity modifier having a viscosity in the
range from 1 to 10,000 mPas.

2. O/W emulsifier according to claim 1, characterised in that the
glyceryl oleate citrate is an ester of monooleic and/or dioleic acid
glycerides with citric acid.

3. O/W emulsifier according to claim 2, characterised in that the
glyceryl oleate citrate is obtainable by esterification of citric acid with
monooleic acid glyceride in a molar ratio of 0.3:1 to 1.5:1.

4. O/W emulsifier according to claim 3, characterised in that the molar
ratio is in the range from 0.7:1 to 1.2:1.

5. O/W emulsifier according to claim 1, characterised in that the
glyceryl oleate citrate is fully neutralised.

6. O/W emulsifier according to claim 1, characterised in that the
glyceryl oleate citrate has a pH in the range from 5 to 8.

7. O/W emulsifier according to claim 6, characterised in that the pH is
in the range from pH 5.8 to pH 6.2.

8. O/W emulsifier according to claim 7, characterised in that the pH is
6.0.

9. O/W emulsifier according to claim 1, characterised in that the glyceryl oleate citrate has an HLB value in the range from 9 to 15.
10. O/W emulsifier according to claim 9, characterised in that the HLB value is in the range from 11 to 13.
- 5 11. O/W emulsifier according to claim 1, characterised in that the proportion of glyceryl oleate citrate in the O/W emulsifier is in the range from 75 to 85 wt.%.
12. O/W emulsifier according to claim 11, characterised in that the proportion of glyceryl oleate citrate in the O/W emulsifier is 80 wt.%.
- 10 13. O/W emulsifier according to claim 1, characterised in that the viscosity of the viscosity modifier is in the range from 1 to 1000 mPas.
14. O/W emulsifier according to claim 13, characterised in that the viscosity of the viscosity modifier is in the range from 1 to 100 mPas.
- 15 15. O/W emulsifier according to claim 1, characterised in that the viscosity modifier is a native oil.
16. O/W emulsifier according to claim 1, characterised in that the viscosity modifier is a caprylic/capric triglyceride.
17. O/W emulsifier according to claim 16, characterised in that the caprylic acid content is 50 to 72 wt.% and the capric acid content is 26 to
20 45 wt.%, relative in each case to the fatty acids contained in the triglyceride.
18. Use of glyceryl oleate citrate or an O/W emulsifier according to one or more of claims 1 to 17 in cosmetic or dermatological compositions.

19. Use according to claim 18 for the complexation of metal traces in lipophilic systems, as a synergist and solution aid for antioxidants or in skin care or makeup products.

5 20. Use according to claim 18, characterised in that the cosmetic or dermatological composition is an emulsion and the O/W emulsifier content in the overall formulation is 2 to 5 wt.%.

21. O/W emulsion containing an O/W emulsifier according to one or more of claims 1 to 17.